

Bronchitis.

Inflammation is interesting to the physician as well as the surgeon. While to the one it evinces vitality of the system, to the other there is presented an idiopathic variation from its normal character. Probably no abnormal state has been & prolific of so much discussion and investigation. But while opinions may vary as to the cause and its results, all are agreed that a

correct practical view is absolutely necessary for the successful prosecution of the healing art. A great majority of all the discases to which the human frame is liable begin with inflammation, or end in inflammation, or are accompanied by inflammation, or resemble inflammation in Their symptoms. It is interesting not only in its morbid phenomina, but also in its healing tendencies. However, it is not our purpose to speak of this interesting subject; for after all that has been said in The case, belsus ages ago defined it, when he said "Notal inflammate onis sunt quaturos,- rubor et tumo cum dolore et calore.

As physicians we have to do with its direct symptoms, by which I mean Those cognizable to the sense of sight, hearing or of touch, and what has been termed its constituional symp tonds such as the heat, chill, thirst and excitability of a fever. The cir currestances under which it may exist should be kept in mind. Cospecially during the consideration of our subject it should not be forgotten that it runs higher in children, plethoric persons, and in those of sunquine temperament, Than in those of the opposite con ditions. It is also modified ac cording as it affects the different lissues.

There is no portion of the human organism which may not sufter from inflammation. Esternally and internally does it oppose itself to the discernment and remedies of the healing art. We may have the External tegumentay covering of the body inflamed, and again the delicate membranes of the brouchie and lungs become the seat of this abnormal state. We find horvever that the internal sufaces which communicate with the air are clothed with a mucous membrane; a fact which is particularly interesting to the physician. He knows that mucous surfaces are not disposed to adherire inflummation. If they

were, the slightest existing causes might be productive of results, which being without the pale of remedial agencies, would result in death. Although the internal tegrementary membranes are protected from adhesire inflammation and its results, we have to meet and cope with forms of disease which require the quatest professional acquirements, the strictest seruting and the most acute discernment. In order that we may with profit citic upon the more immediate consideration of the subject of This Thesis Bronchitis, we must first notice the anatomical Structure of the brouchi, and Their relations to adjoining organs. Each lung is retained in its place by its root, which is formed mainly by The pulmonary artery, veins, and bronchial tubes. The bronchi proend from the bifurcation of the truched to Their conesponding lungs. Indeed They may be considered as two terminations of the trached, being essentially of The same structure and unaugement. The right brouchus is shorter and of a larger diameter than The left. Having entered the lungs They divide into two branches, and these divide and subdivide dichotomously to Their altimate termination in The intercellular passages and are cells. They have Their own arteries and veins.

The filrows coat of the broudrial tubes is possessed of a considerable degree of contractility. This is soon exhausted by the action of stimulus. The peculiar power of Bell and Sham in diminishing This contractility affords a good reason homoeopathically why these remedies act so well in spasmodie asthma. It has been suggested that The contractility of the smaller browni may serve to expell collections of mucus which may have accumulated in Them, and which neither ciliary action or The ordinary expira tong efforts suffice to displace. Considering Then the important part and office which The browchi take in the function of respiration,

we are not all surprised to find Them the seat of serious diseased. It is now generally allowed that the lungs cannot be seriously affected without the bronchial ramifications being disturbed, though the browthial tubes may be in certain states of inflammation without imparing The normal state of the lungs. The bronchial tubes become The seat of inflammation, and that This inflammation begins with the nucous lining. Having considered The bronchi in Their natural anatomical condition, we will now insestigate their when in a state of inflammation, or in other words we will emsider The

Varhology of Browchitis. A knowledge of This important aspect of our subject creates us to diagnose concetty, and Thereby attack The enemy at the most available point; and so to prognosticate That in many cases he may cheer his pa-Tient, and relieve The anxious care which looning friends manifest in The sufferers whalf. It can safely he said, That The absence of all oxcitement o exciting causes in The sick chamber is absolute by requisite either for the patients good or The physicians name. And This alone, if There were no other reasons, is sufficient to demonstrate The im-Justines of physiology Either in The study of the system in a normal

been otherwise called futherlogy,

he heating of The patherlogy of This disease, it will be better to mention

the symptoms which shall seem to provout of the abnormal condition There and consideration.

We find all ages subject to This disease. It may be congenital. It is most puralent in the sea shore towns of M.E., although as it is a higher grade of catarrh of is found to occupy a more or less prominent place among the diseases incident to particular localities. There is however danger of confusing This with other troubles of the respiratory and vocal apparatus. It may be either acute

or chronic. The acute form is more com mon among children, while in the adult The chronic form oftener presents itself. Get The acute and chronic forms are not seperated by a well defined line. We aften meet The acute form mild and without fever. Here The affection seems to depend upon some attention of The living membrane of the naves and throat. Such a case scarcely interferes with the healthy functions. The secretion promptly takes place, and it may be considered to The respiratory apparatus what an apprecial dianhia is to The digestise system. The temperament of the individ - wal exerts its influence in a marked degree in The hysterical Jemale, ve mag have a slight

catanh producing an obstinate and painful cough. As to the cough some patients are troubled but little, while others are hararsed by continual parotysus. A tickling sunsation is perceined in The hachea which usually freedes and follows The cough. he discover This when the patient lies down, or in The morning when he is in an creet position. This will cease after an Expectoration. This is a nervous symptom. For whenever on The External skin his may veen, physirlogy tells us That it is owing to The large amount of sensory nervous fibres Which are distributed in its substance. The cough may be owing to The secretion passing over The part of the trachea where The trekling

sensation is fett, The flow being favored by The recumbant position; again to The extreme clongation of the voula, or The existence of suppurating cavities which communicate freely with The brouchus. Pasition has no effect in relieving The patient, if the eough is owing to the Elongation of the voula, while if to to The presence of suppurating cavities, it is conse when he lies whom The healthy

There is easely any change in The countinance in This form. Then we may have all these symptoms rouse, with a high fever, the face livid, owing to the imperfect arterialization of The blood. The duration of The first stage is extremely variable. At the second stage the inflammatry fever passes

into The hectic type. By which I mean a fever The consequence of initation and Excitement; so much so that it may be said to exist as a habit of the body. There is perspiration with a some smell, The cough continues muce frequent though less painful, and is followed by a copious expectoration of muco purulent matter; The breathing Though more hunied is less haborious Than in the first stage. There can be no doubt that many recovering which have been considered as so many cures of Phthisis Palmulis have been only comes of this type of This form may terminate in chronice Inmehitis; may cause death by a sudden obstruction of a large tube;

may be accompanied by a rapid or folloved by a slow development of turbucles, it may pass into pneumnia, or terminate by hydrothorax or end in death.

The mucous living of the air passages cannot be inflamed without the liquid which it secretis presenting modifications some of which regard its quantity, others its quality. The nomal secretion from the mucous membrane is called mucus. This a fluid of peculiar viscidity, cither coloaders or gellow, slightly transparent or mearly so; weapable of mixing with water, and sinking in it except when bridged up by but ous of air ontangled in its mass, which is commonly The case with The broughi al and nasal mucus.

Its chief constituent has been termed Mucin. We are now prepared to consider the character and modifications of The browhial secretion in Bronehitis. At the commencement of the disease The cough is dry. So long as we have This dry cough The disease may he said to be in its beginning, Then occurs The serous secretive which is Thin and transparent. After a cutain period each fit of coughing is followed by The expectnation of a clear, transparent mucies like The white of an egg. This is termed The transfarent mucrous secretion. It also assumes a ropy appearance, its time ity and viscidity being greater according to The degree of initation indu which the mucous membrane may

be existing. In some respects This resembles the jelly like sputa of preumonia. Upon The searface of This mucus there is usually more or less froth. If the patient does not expectinate till after a long fit of coughing There may be bubbles of air. Sometimes during This stage the sputa are mixed with blood. As long as the sputa present The appearance which we have noticed, The symptoms of bronchial initation do not improve; The expectinated matter being in a state of cruidity according to The arcient mode of expression with such an expectuation The inflammation is intense, and The Jever o dyspinea indicate a serious aspect of affairs. But according as The inflammation proceeds to resolution, The sputa change

Their character. The mucus quederally loses its hansparency; it is mixed with opaque, zellow, white a greenish masses, which though searty at first, increase more and more untill They constitute The whole of the sputa, This indicates a marked remission in all the symptoms, and my may hope eacteris paribus for a speedy terminalin. in complete resolution. This apaque, mucous or albumenous secretion is subject to quat variety. It may go back to its former hansparent, ropy, frothy and glaning character. When This occurs The attending physician must expect an aggraration of The disease. Still persons have been known to recorde when The Sputa remained in the State of cruidity. he may have the secreted matter moulded to The form of the browchial tubes, and

acquire a certain degree of consistence. Patients have been known to expels. These burehial casts after violent fits of coughing. Why the have This apparent deviation from The normal character of the mucous secretion, viz, a plastie sudation, ere do not know. The cudation is called plastie. That which vecus in our disease is not much different from The membrane of Cynanche Trochealis, he have said of is called plastice. But This can hardly obtain, if we consider me real force of the word. It never becomes organised, never eveniets itself by blood versels with The surface from which it proceeds. It may be Thus explained. The inflammation involves the sub nucous aredar tissue; The natural product of this phligmmous inflammation hunsudes readily Mrough The Thin, simple and delicate mucrus

membrane. This much hornever is certain that where the white fibrous tissues are fredominant, are have fretty clearly indi-cated a lymphatic condition of The lung, and hence The liability to formative in flammations is more developed.

In addition to The transfarent, serous and opuque we may have the mico puriform and puriform secretions. We much with The muco puri form chiefly in the second stage of acute Brondhitis; and in conque tion with it use have The suco expitating rall. In order That The Change from The mucrus to the muco-puriform may be considered formable, cutain attending circumstances are requisite. The expectionation becomes casier, The pulse softes and slower, breathing Easier, The perce diminishing, he mico-crepitating

pullission clear even in The postero interior purtions of the lung. But eve may have the reverse of this with a nuco-puniform expectoration. The real purulent expectoration is rare. We have the nuco-puniform for more often than the nuco-puniform for more often than the puriform.

Physical Ligns. Percussion and Auscultation.

Percussion is clear, Thorugh the chest, except where There is great engestion.

auscultation.

ler tubes we have the sibilant homcus, if in the larger tubes the sonorous showers, and we have The mucous

should as the disease advances and Of pretoration commences. During The dry stage are have The hirsing sound which has been termed sibilus. Generally you may suspend the shonews by getting the patient to make a hearty enigh. We may have showens and sibiles together. If we have sibilus all over the chest, me are to consider The case as a severe one, and attended with danger. These sounds are heard during breathing, and have no relation to The voice or cough. When we have The bubbles in the hansparent sputa we have a new sound caused by The passage of the air Through The fluid which is termed, enpitation. This sign is divided into the larger and smaller Enfitation.

Upon a post mortem examination of bodies of Those who have died of any disease whatever, during which They erue affected with a mild and recent Broughilis, There is found some reducess in a circumscribed portion of The mucous membrane, particularly at The termination of The trached, and in the first divisions of The brouchi. The increase of The oldnew will be according to The severily of The inflammation. And get in some eases of bruchitis accompanied with The Juni form expectoration, the inner membrane of the air passages has been found search lose, in Even perfectly white thinghout to whole extent. In flammatory Doftening of The browshial mucrus membrane is much more care

Trace That of The gastro intestinal mucrus

minhane alectated. Sente Proschitis commonly destroys life without any perceptable ulceration of the surface. The quat majority of bronchial aleciations are the result of chronic disease. The feequency of ulcerations of the air passages dicreases from above downwards. Again me may have a thickening of The mucous membrane cither under acute or chronic inflammation. This may occur either throughout the whole extent, or only at certain points. Such Thickening be it ever so inconsiduable may be attended by important results. There may be dimention in The size of The carities through which the air is to pass to enter from The hached into The pulmmany resides.

This gives origin to the ownered take, and its two varieties rate side side and take and take contract. Then are may have the apposite condition obtaining, namely the distalation of the brough. We may have distalation of one or more of the brough their entire estent of a greater or less increase of capacity. This more common in the brough their branches of the brough, than in the brough their themselves.

Jone of The bronchi at a particular point. Lastly we may have a continued societ of nanowings and dilatations in The same bronchial tube. These dilatations give rise to pretoilogy and a characteristic souffle.

Dilatation may be owing to hoper-

result of merely michanical causes In The two first instances probably the vital force of the part is suspended or abnormally increased. Dilatation may be considered as a disease by itself, as we have The same affection in other shuetenes; but it may best be understood and heated as it commonly occurs in connection with The disease of the neighboring organs, We have thus touched on The morbid anatomy of The bronchi under the influence of that diseased state known as Brownchitis. More could be said. But after all, it is with The general symp lows we have to deal when called to The sufferer. So that knowing all the rest, if we shall be igniment of the remedies and means with which we may be able to effect a cure, we shall bring

grace upon our elves.

some remarks on the treatment of Bronchitis, more particularly as regards its acute form.

Treatment.

A distinguished altopathic with has declared The treatment of Browchitis to be a matter of some nicety. He says The patients distress arises from The inability to supply air enough to arterialize the venous blood which is transmitted to The lungs; and by diminishing The quantity of blood sent to those organs you will pro tanto, mitigate his uncasines." Sixtum ounces is mentioned as a moderate bluding. He adds nathing as to the evivalescence of his

patient. It is further added for our infor mation that where we have sibiles one are to take blood by weal means. The quantity is to depend whom The keeness of The sibilus! The treatment which Jollows is hervie. The borrels are to be cleared out by a mucuial purgative. By This time The muck patient is a reduced to a humble and willing condition for some more active, and still mild heatment. Tait Cinetie is given untill nausea is produced. Depression follows, but they tell us it is only temporary; would it not be well for our allofathie butteren to ask, may not such defuels Devu, creu in a single case, sometimes he lasting. Stimulants and expectorants are now ordered Opium is administed to bring on sleep.

And sleep follows. such sleep! By may of advice; we are bidden not to administer Opium in a full poisoning dose," for Then you may have may unpleasant symptoms."

Such is the usual allofathie and common heatment in This country. I'm Jackson of Harvard Medical College tells his pupils never to reduce Their patient so low, That may not have The means to ressiscitate him. Another, one A his colleagues, in a clime, umaked This patient would have recovered had she possessed The vital force requi site to withstand The active heatment which was needful; vrz cautenzation with hot irons and a Thourngh mere Curial Course.

But a brighter day is dawning Gradual by are old freduziees and antique procts ces zeilding to scientific truth and prisent succesful experience. Perhaps There is no single instance in which the ments of Homoeofathy and Allofathy can be more foromably comfaced than in Bronchitis. The homoe fathis physician does not commence by depleting the system of that which Heaven has declared to be The life of man, but calmly investigates The symptoms, gets The history of he disease; heats not according to rule, for There is no rule which will apply To The particular case, as There never vecemed just such a particular identical disease in its present manifestation before.

If there is found a hot skin, unusually dry a strong and rapid pulse, austructed breathing with withermen and anxiety; aconite is administered in The lower dilutions. Rest of body and mind must be enjoined. The patient must not talk or whisper. Whispering is voorse Than loud talking. Particular attention must be paid to The temperature of the room. The heat mould be from 012 lio 80 dahr. We mentioned aconite to be used at the commencement. Terhaps The majority of cases would rather indi cale sulphor. We have the dry cough, falique, frains and choudiness of The head, with accumulation of mucus in the bronchia.

If there is excessive nourseness and lose eough, produced of a tililation in the pit of the stomach, with a whilish or zellow of pretration and apprehensiveness as to dearn. Phas, Ucid. I very dishersing everghe with redness of the face and vomiting of mucus, Hyad. When There is an expectoration of bitter, zellowish, or whitish matter or of sauguilent mucus. Puls. Where There is a cough with of pectora tion of much mucus, which is gellow or puriform, with weakness particularly across the chest, Sepia would be indicated. Nex Vomica is indicated by prime in the brownia, accumulation of mucus, with the head symptoms which are premiur to This dung.

Thus dot, where there is abstructed breathing and great accumulation of mucus. Arsen, where there is great Cassitude and proshation with tenacious mu cus, blood streaked, the expectoration difficult, with spasms of the pecto. ral muscles during an inspiration. Thecae, where There is anxious and hurried breathing, rattling noise in the broudhial tubes. Seillal muz de grod service. Ignatia. Tellow expectoration, sense of suffocation as from the fumes of sulpher, especially where These symptoms occur in patients who have recently been The subjects of grief. Bell, Hep, Spong, Todine, Kali Hyd, Jart Emelie may all do good service according to Their indications. The prognosis in a great majority of cases is favorable.

In conclusion there is no class of diseases which presents so many points of interest to the intelligent physician as those of the respiratory organs. As the disease is the more difficult in its character, so is the cause of Homoeopothic medicine the more advanced by the intelligent and well directed offerts of its followers in effecting a permanent cure.

All that is necessary to accomplish this happy result and thus do hours to those who have instructed us, will be found in the degree

with which our earen shall be marked by that which the Immutal Hahmmann has said is demanded of the physician; an unfreduficed mind, sound industanding, attention and fidelity in observing and tracing the image of disease.

James H. A. Bridge.

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